

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/574,254  
Source: IFWQ  
Date Processed by STIC: 9/15/06

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/574,254

TIME: 15:58:00

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09152006\J574254.raw

3 <110> APPLICANT: CYTOGENIX, INC.  
 5 <120> TITLE OF INVENTION: NUCLEOTIDES FOR PREVENTION AND TREATMENT OF BACTERIAL  
 6 AND FUNGAL PATHOLOGIES  
 8 <130> FILE REFERENCE: 17242/003004 (CRYA,025/PCT/US)  
 10 <140> CURRENT APPLICATION NUMBER: 10/574,254  
 11 <141> CURRENT FILING DATE: 2006-03-30  
 13 <150> PRIOR APPLICATION NUMBER: PCT/US04/017331  
 14 <151> PRIOR FILING DATE: 2004-06-03  
 16 <150> PRIOR APPLICATION NUMBER: 10/818,158  
 17 <151> PRIOR FILING DATE: 2004-04-05  
 19 <150> PRIOR APPLICATION NUMBER: 10/743,956  
 20 <151> PRIOR FILING DATE: 2003-12-23  
 22 <150> PRIOR APPLICATION NUMBER: 10/453,410  
 23 <151> PRIOR FILING DATE: 2003-06-03  
 25 <160> NUMBER OF SEQ ID NOS: 39  
 27 <170> SOFTWARE: PatentIn Ver. 3.2  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 36  
 31 <212> TYPE: DNA  
 32 <213> ORGANISM: Artificial Sequence  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 36 primer  
 38 <400> SEQUENCE: 1  
 39 ctagctagct agcgatcgat gggaccaatg gggcag 36  
 42 <210> SEQ ID NO: 2  
 43 <211> LENGTH: 23  
 44 <212> TYPE: DNA  
 45 <213> ORGANISM: Artificial Sequence  
 47 <220> FEATURE:  
 48 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 49 primer  
 51 <400> SEQUENCE: 2  
 52 cgggggtacca gtattccctg gtc 23  
 55 <210> SEQ ID NO: 3  
 56 <211> LENGTH: 13  
 57 <212> TYPE: DNA  
 58 <213> ORGANISM: Artificial Sequence  
 60 <220> FEATURE:  
 61 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 62 oligonucleotide  
 64 <400> SEQUENCE: 3  
 65 tgggtgcgtcc gag 13

## RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/574,254

TIME: 15:58:00

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09152006\J574254.raw

```

68 <210> SEQ ID NO: 4
69 <211> LENGTH: 76
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
75     oligonucleotide
77 <400> SEQUENCE: 4
78 taactggatg atcgttgtag ctagccttcg aaacttggtg gtgcgtccga gtggaccggg 60
79 agaccctgc tcgagt                                     76
82 <210> SEQ ID NO: 5
83 <211> LENGTH: 82
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
89     oligonucleotide
91 <400> SEQUENCE: 5
92 ctagactcga gcaggggtct cccggtccac tcggacgcac caccaagttt cgaaggctag 60
93 ctacaacgat catccagtta at                                     82
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 31
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
103     oligonucleotide
105 <400> SEQUENCE: 6
106 gtttcgaagg ctactacaa cgatcatcca g                                     31
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 65
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
116     oligonucleotide
118 <220> FEATURE:
119 <221> NAME/KEY: modified_base
120 <222> LOCATION: (1)..(25)
121 <223> OTHER INFORMATION: This region may encompass 3 to 25 variable
122     nucleotides, and preferably 7 to 10 nucleotides;
123     a, c, g, or t.
125 <220> FEATURE:
126 <221> NAME/KEY: modified_base
127 <222> LOCATION: (41)..(65)
128 <223> OTHER INFORMATION: This region may encompass 3 to 25 variable
129     nucleotides, and preferably 7 to 10 nucleotides;
130     a, c, g, or t.
132 <400> SEQUENCE: 7

```

## RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/574,254

TIME: 15:58:00

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09152006\J574254.raw

```

W--> 133 nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnggcta gctacaacga nnnnnnnnnnnn nnnnnnnnnnnn 60
134 nnnnnn 65
137 <210> SEQ ID NO: 8
138 <211> LENGTH: 31
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
144     oligonucleotide
146 <400> SEQUENCE: 8
147 cctgcttagg ctagctacaa cgatggtcac c 31
150 <210> SEQ ID NO: 9
151 <211> LENGTH: 63
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
157     oligonucleotide
159 <220> FEATURE:
160 <221> NAME/KEY: modified_base
161 <222> LOCATION: (11)..(50)
162 <223> OTHER INFORMATION: a, c, g, or t
164 <400> SEQUENCE: 9
W--> 165 ctctcactcc nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn actgttgaaa 60
166 ggc 63
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 12
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
176     oligonucleotide
178 <400> SEQUENCE: 10
179 cggagagtga gg 12
182 <210> SEQ ID NO: 11
183 <211> LENGTH: 11
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
189     oligonucleotide
191 <400> SEQUENCE: 11
192 ctttcaacag t 11
195 <210> SEQ ID NO: 12
196 <211> LENGTH: 57
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

```

## RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/574,254

TIME: 15:58:00

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09152006\J574254.raw

```

202     oligonucleotide
204 <220> FEATURE:
205 <221> NAME/KEY: modified_base
206 <222> LOCATION: (13)..(20)
207 <223> OTHER INFORMATION: a, c, g, or t
209 <220> FEATURE:
210 <221> NAME/KEY: modified_base
211 <222> LOCATION: (36)..(43)
212 <223> OTHER INFORMATION: a, c, g, or t
214 <400> SEQUENCE: 12
W--> 215 ctcgagtcta gannnnnnnn ggctagctac aacgannnnn nnnttaatta agctagc      57
218 <210> SEQ ID NO: 13
219 <211> LENGTH: 14
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
225     oligonucleotide
227 <400> SEQUENCE: 13
228 gctagcttaa ttaa                                     14
231 <210> SEQ ID NO: 14
232 <211> LENGTH: 61
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
238     oligonucleotide
240 <400> SEQUENCE: 14
241 ctttcaacag ttttgatgac ctttgctgac catacaattg cgatatcgtg gggagtgaga 60
242 g                                                         61
245 <210> SEQ ID NO: 15
246 <211> LENGTH: 16
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
252     oligonucleotide
254 <400> SEQUENCE: 15
255 cctttgctga ccatac                                     16
258 <210> SEQ ID NO: 16
259 <211> LENGTH: 15
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
265     oligonucleotide
267 <400> SEQUENCE: 16
268 gacctttgct gacca                                     15
271 <210> SEQ ID NO: 17

```

## RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/574,254

TIME: 15:58:00

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09152006\J574254.raw

```

272 <211> LENGTH: 14
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
278     oligonucleotide
280 <400> SEQUENCE: 17
281 acagttttga tgac                                     14
284 <210> SEQ ID NO: 18
285 <211> LENGTH: 13
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
291     oligonucleotide
293 <400> SEQUENCE: 18
294 acaattgcga tat                                     13
297 <210> SEQ ID NO: 19
298 <211> LENGTH: 13
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
304     oligonucleotide
306 <400> SEQUENCE: 19
307 gacctttgct gac                                     13
310 <210> SEQ ID NO: 20
311 <211> LENGTH: 17
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
317     oligonucleotide
319 <400> SEQUENCE: 20
320 tcaacagttt tgatgac                                 17
323 <210> SEQ ID NO: 21
324 <211> LENGTH: 13
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
330     oligonucleotide
332 <400> SEQUENCE: 21
333 atgacctttg ctg                                     13
336 <210> SEQ ID NO: 22
337 <211> LENGTH: 12
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:

```

RAW SEQUENCE LISTING ERROR SUMMARY  
 PATENT APPLICATION: US/10/574,254

DATE: 09/15/2006  
 TIME: 15:58:01

Input Set.: A:\Sequence Listing.txt  
 Output Set: N:\CRF4\09152006\J574254.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. ~~1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23~~  
 Seq#:7; N Pos. ~~24,25,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58~~  
 Seq#:7; N Pos. ~~59,60,61,62,63,64,65~~  
 Seq#:9; N Pos. ~~11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30~~  
 Seq#:9; N Pos. ~~31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50~~  
 Seq#:12; N Pos. ~~13,14,15,16,17,18,19,20,36,37,38,39,40,41,42,43~~  
 Seq#:35; Xaa Pos. 1,2,3,8,9,10,11,12,13,16,21,22,23  
 Seq#:36; Xaa Pos. 2,3,10,11,17,20  
 Seq#:37; Xaa Pos. 6,20

## VERIFICATION SUMMARY

DATE: 09/15/2006

PATENT APPLICATION: US/10/574,254

TIME: 15:58:01

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09152006\J574254.raw

L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
M:341 Repeated in SeqNo=7  
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
M:341 Repeated in SeqNo=35  
L:573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0  
M:341 Repeated in SeqNo=36  
L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
M:341 Repeated in SeqNo=37